

TABLE IV—FLATTENED OR DEPRESSED AREAS—PRESSURE BRUISES MAXIMUM AREA ALLOWED

Diameter	Weight	No. 1 (aggregate area)	No. 2 (aggregate area)
Potato is:	Potato is:	Not more than:	Not more than:
Less than 2 in	Less than 4 oz	1/2 in	1 in
2 to 2½ in	4 to 6 oz	1 in	1½ in
More than 2½ to 3 in	More than 6 to 8 oz	1¼ in	1¾ in
More than 3 to 3½ in	More than 8 to 14 oz	1½ in	1⅞ in
More than 3½ to 4 in	More than 14 to 20 oz	1¾ in	2 in
More than 4 to 4½ in	More than 20 to 28 oz	2 in	2¼ in
More than 4½ to 5 in	More than 28 to 36 oz	2¼ in	2¾ in
More than 5 in	More than 36 oz	2½ in	3¼ in

TABLE V—DEPTH ALLOWED FOR GROWTH CRACKS

Diameter	Weight	No. 1 (depth)	No. 2 (depth)
Potato is:	Potato is:	Not more than:	Not more than:
Less than 2 in	Less than 4 oz	1/8 in	1/4 in
2 to 2½ in	4 oz to 6 oz	1/4 in	3/8 in
More than 2½ to 3 in	More than 6 oz to 8 oz	3/8 in	1/2 in
More than 3 in	More than 8 oz	1/2 in	5/8 in

TABLE VI—SUNKEN DISCOLORED AREAS MAXIMUM AREA ALLOWED

Diameter	Weight	No. 1 (aggregate area)	No. 2 (aggregate area)
Potato is:	Potato is:	Not more than:	Not more than:
Less than 2 in	Less than 4 oz	3/8 in	3/4 in
2 to 2½ in	4 to 6 oz	¾ in	1 in
More than 2½ to 3 in	More than 6 to 8 oz	1 in	1¼ in
More than 3 to 3½ in	More than 8 to 14 oz	1¼ in	1½ in
More than 3½ to 4 in	More than 14 to 20 oz	1½ in	1¾ in
More than 4 to 4½ in	More than 20 to 28 oz	1¾ in	2 in
More than 4½ to 5 in	More than 28 to 36 oz	2 in	2¼ in
More than 5 in	More than 36 oz	2¼ in	2½ in

[35 FR 18258, Dec. 1, 1970, as amended at 73 FR 15055, Mar. 21, 2008; 73 FR 70586, Nov. 21, 2008]

§ 51.1565 Internal defects.

Internal defects are defects which cannot be detected without cutting the potato. Some internal defects are listed in Table IV.

TABLE VII—INTERNAL DEFECTS

Defects	Damage maximum allowed	Serious damage maximum allowed
Occurring outside of or not entirely confined to the vascular ring		
Ingrown Sprouts, Internal Discoloration, Vascular Browning, Fusarium Wilt, Net Necrosis, Other Necrosis, Stem End Browning.	5 percent waste	10 percent waste.

TABLE VII—INTERNAL DEFECTS—Continued

Defects	Damage maximum allowed	Serious damage maximum allowed
Internal Black Spot.	When the spot(s) are darker than the official color chip (POT-CC-2) after removing 5 percent of the total weight of the potato.	When the spot(s) are darker than the official color chip (POT-CC-2) after removing 10 percent of the total weight of the potato.
Occurring entirely within the vascular ring		
Hollow Heart or Hollow Heart with Discoloration.	Area affected not to exceed that of a circle ½ inch in diameter in a potato 2½-inches in diameter or 6 ounces in weight. ¹	Area affected not to exceed that of a circle ¾ inch in diameter in a potato 2½-inches in diameter or 6 ounces in weight. ¹

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TABLE VII—INTERNAL DEFECTS—Continued

Defects	Damage maximum allowed	Serious damage maximum allowed
Light Brown Discoloration (Brown Center).	Area affected not to exceed that of a circle ½ inch in diameter in a potato 2½ inches in diameter or 6 ounces in weight. ¹	Area affected not to exceed that of a circle ¾ inch in diameter in a potato 2½ inches in diameter or 6 ounces in weight. ¹

TABLE VII—INTERNAL DEFECTS—Continued

Defects	Damage maximum allowed	Serious damage maximum allowed
Occurring entirely within the vascular ring		
Internal Brown Spot and Similar Discoloration (Heat Necrosis).	Not more than the equivalent of 3 scattered spots ⅛ inch in diameter in a potato 2½— inches in diameter or 6 ounces in weight. ¹	Not more than the equivalent of 6 scattered spots ⅛ inch in diameter in a potato 2½— inches in diameter or 6 ounces in weight. ¹

¹Note: Correspondingly lesser or greater areas in smaller or larger potatoes.

[35 FR 18258, Dec. 1, 1970. Redesignated at 42 FR 32514, June 27, 1977, and further redesignated at 46 FR 63203, Dec. 31, 1981; amended at 56 FR 7553, Feb. 25, 1991; 56 FR 10302, Mar. 11, 1991; 73 FR 15058, Mar. 21, 2008 ; 73 FR 70586, Nov. 21, 2008]

METRIC CONVERSION TABLE

§ 51.1566 Metric conversion table.

Inches	Millimeters (mm)
1/8 equals	3.2
1/4 equals	6.4
1/2 equals	12.7
3/4 equals	19.1
1 equals	25.4
1 1/2 equals	38.1
2 equals	50.8
2 1/2 equals	63.5
3 equals	76.2
3 1/2 equals	88.9
4 equals	101.6
4 1/2 equals	114.3
Ounces	Grams
1 equals	28.35
4 equals	113.40
5 equals	141.75
6 equals	170.10
7 equals	198.45
8 equals	226.80
9 equals	255.15
10 equals	283.50
12 equals	340.20
14 equals	396.90
16 equals	453.60
18 equals	510.30
19 equals	538.60
20 equals	567.00

Subpart—United States Consumer Standards for Potatoes

SOURCE: 18 FR 7132, Nov. 11, 1953, unless otherwise noted. Redesignated at 42 FR 32514, June 27, 1977, and further redesignated at 46 FR 63203, Dec. 31, 1981.

GRADES

§ 51.1575 U.S. Grade A Small; U.S. Grade A Medium; U.S. Grade A Medium to Large; U.S. Grade A Large.

Potatoes of each of these grades shall be of one variety or similar varietal characteristics which are fairly well shaped, fairly clean, free from freezing injury, blackheart, late blight, and soft rot or wet breakdown, and from damage caused by sunburn, second growth, growth cracks, air cracks, hollowheart, internal discoloration, cuts, shriveling, sprouting, scab, dry rot, rhizoctonia, other diseases, wireworm, other insects, or mechanical or other means. Potatoes of these grades shall also be mature: *Provided*, That potatoes which are not mature and the outer skin loosens or “feathers” readily under the usual handling practices need not meet this requirement if they are firm and are further designated as “Early” in connection with the grade, as for example “U.S. Grade A Medium-Early.” Potatoes on the shown face shall be reasonably representative in size and quality of the contents of the containers. (See §51.5177.)

(a) *Tolerances.* Incident to proper grading and handling, except for the tolerances for size, not more than a total of 5 percent, by weight, of the potatoes in any lot may fail to meet the requirements of the grade, including not more than 1 percent for potatoes affected by soft rot or wet breakdown. (See §51.1579.)